



Animal Science Curriculum Newsletter For Spring 2024

by Dr. Aparna Zama, Undergraduate Program Director
& Stacey Pontoriero, Senior Program Coordinator

October 2023

Greetings! It's time to plan for Spring 2024!

Curriculum Newsletter Contents

• Important Dates	3
• Help with Advising	4
• Comparison of Animal Science Options	7
• Spring 2024 Experiential Learning (EL) Courses	8
• Animal Science Required Courses/Electives	11
• Biochemistry and Organic Chemistry	13
• Differences between Physics Courses	14
• Interested in Studying Abroad?	15
• Transfer Courses from Community Colleges	16
• grow@SEBS Program	17
• Important Links	19



Important Dates

- October 2 Winter 2024 Session Registration begins
- October 30 Last day to withdraw with a “W” grade from Fall 2023 courses
- October 16 Spring 2024 Schedule of Classes (SOC) is live
- November 6 **Spring registration begins** (See Registrar link below for your specific access dates.)
- December 13 Last day of Fall 2023 classes
- December 14 Reading Day
- December 15-22 Final Exams
- December 21 Last day to add a Winter Session course on WebReg; last day for course cancellation with 100% refund.
- Dec 22-Jan 12 Winter 2024 Session
- January 5 Deadline for obtaining medical clearance to work with animals in Spring 2024 classes
- January 16 Spring 2024 semester begins.

For more info, visit these webpages:

- [Schedule of Classes](#)
- [Office of the Registrar](#)
- [Winter Session Office](#)

Help with Advising

- Feel free to reach out to your first-year advisor or upper-class advisor for assistance. If you don't know who your advisor is, go to [MyMajor](#).
- Contact Ms. Krista Schnatter, Program Coordinator, with general questions, at the Dept. of Animal Science, 84 Lipman Drive, Room 105 *plus*
 - Tawk.to Chat feature  on the [Ani Sci website](#), **M-F, 9 AM – 4:30 PM**
 - Phone (848) 932-1937
 - Email anisci-advising@sebs.rutgers.edu
- You can also contact Martin Hall, Office of Academic Programs, 88 Lipman Drive, Room 109 for general questions and financial aid/SAP and related advising questions:
 - Tawk.to Chat feature  on the [SEBS website](#), **M-F, 8:30 AM – 4:30 PM**
 - Phone (848) 932-3000

A few advising tips - 1

Course Withdrawals

The last day to withdraw from individual courses is October 30, 2023.

- There are several important things to know about withdrawals.
 - 1) The “W” indicator has no punitive value and is not averaged into your Rutgers GPA; only letter grades for courses completed at Rutgers (i.e., A, B+, B, C+, C, D, F) are calculated into your term and cumulative averages.
 - 2) A “W” indicator will not affect your ability to go to graduate or professional school, secure internships, or get a job after graduation.
 - 3) You can withdraw from individual classes, even if you will be going under 12 credits, but you should try to stay above 12 active credits. The “W” grade maintains your full-time status for housing, many types of financial aid, and health and auto insurance.
 - a. Exceptions: Rutgers NCAA athletes, students studying on F-1 or J-1 visas, and some scholarship and grant recipients must maintain 12 active credits. Check with the appropriate advisors in Athletics, International Student Services, or Financial Aid if you have questions.
 - 4) There are no refunds for withdrawal from a single course.
 - 5) Last day to add minicourses to round out to 12 credits (if needed) is tomorrow, 10/26!

How are you doing in your courses?

- 1) Free tutoring and academic coaching meetings are available:
 - a. [Rutgers Learning Centers](#)
 - b. [Math Help Center](#)
- 2) Create or join study groups: (<https://rlc.rutgers.edu/study-groups>)
- 3) Sign up for a tutor for your writing courses:
 - a. [For College Writing 101 and College Writing Extended](#)
 - b. [For all other writing intensive Rutgers courses](#)

Comparison of Animal Science Options

These courses are completed in addition to the Animal Science-specific and SEBS Core courses.

	Prevet	Lab Animal	Companion Animal	EPAS
General Biology with lab	YES	YES	YES	YES
General Microbiology	YES	YES	NO	NO
General Chemistry with lab	YES	YES	YES	YES
Organic Chemistry with lab	YES	YES	YES One semester Elem Orgo with lab	NO
Biochemistry	YES Two semesters	NO	YES One semester Intro Biochem with lab	NO
Math	YES Calculus I	YES Precalculus	YES Precalculus	YES Precalculus
Stats	YES Basic Stats for Research	YES Basic Stats for Research	NO	YES Intro Stats for Business
Physics	YES	NO	NO	NO

*Check out the new [Experiential Learning website](#) for more details!

- **New!** Introduction to Animal Handling 150
- Animal Handling, Fitting & Exhibition 175
 - C1, C2 Cattle
 - DO Dog
 - E1, E2 Sheep
 - G1, G2 Goat
 - HO Horse
 - S1, S2 Swine
- Animal Handling Supervisors 176
- Cattle Practicum 201
- Small Ruminant Practicum 202
- Swine Practicum 203
- Laboratory Animal Practicum 205
- Horse Practicum 207
- **New!** Intro to Vet Techniques 210
- Laboratory Animal Science Mgmt and Techniques 275
- Dairy Cattle Artificial Insemination 322
- Farm Productivity Analysis 406
- Studies in Animal Science 411
- Teaching in Animal Science 414
- Leadership in Animal Science 415
- *In Vivo* Lab Animal Techniques 416 (will also fulfill elective credits, email zama@sebs.Rutgers.edu for SPN)
- Research in Animal Science 494
- [Student to Professional Internship Network \(SPIN\)](#)
- [G.H. Cook Honors Program](#)

Working with Animals in the Spring?

Go to the [Animal Science Undergraduate Program](#) homepage and click on the “Working with Animals” link ([Procedure to Obtain Clearance to Work with Animals](#)), then follow the directions.

Note: Do this soon because you will be deregistered from your course if you do not have medical clearance by January 5, 2024.

Farm EL Courses

Pd	Monday				Tuesday					Wednesday					Thursday					Friday								
1 8:30-9:50	7-9:50 201:1	7-9:50 202:1	7-9:50 203:1	7-9:50 207:1	7-9:50 201:2	7-9:50 202:2	7-9:50 203:2	205:1	7-9:50 207:2	7-9:50 201:3	7-9:50 202:3	7-9:50 203:3	205:2 BT-145	7-9:50 207:3	7-9:50 201:4	7-9:50 202:4	7-9:50 203:4	205:3	7-9:50 207:4	205:4 BT-145								
	CHF-100	SFH-102	SFH-101	LTR-102	CHF-100	SFH-102	SFH-101	BT-145	LTR-102	CHF-100	SFH-102	SFH-101		LTR-102	CHF-100	SFH-102	SFH-101	BT-145	LTR-102									
2 10:20-11:40	150:01 Round House		202 Lec SFH-102		205 Lec BT-012		175:G1 SFH-102		175:S1 SFH-101		205:1 BT-145		150:06 Round House		175:E2 SFH-102		175:S2 SFH-101		205:2 BT-145		203 Lec SFH-101		205:3 BT-145		150:10 Round House		205:4 BT-145	
3 12:10-1:30	150:02 Round House			201 Lec CHF-100		150:04 Round House		175:C1 CHF-100		175:E1 SFH-102		175:C2 CHF-100			175:G2 SFH-102			207 Lec LTR-102					150:11 Round House					
4 2:00-3:20	150:03 Round House					150:05 Round House					150:07 Round House					150:08 Round House												
5 3:50-5:10																150:09 Round House												

For the full Spring 2024 Animal Sciences Course Offerings Chart, click [here](#).

The Differences in Farm EL Courses

- **NEW! Introduction to Animal Handling 150:01-11** teaches the basics of handling horses, goats, sheep, cows, pigs, and poultry two weeks at a time. Offered Fall, Spring, and Summer.
- **Animal Handling, Fitting & Exhibition 175: C1, C2, DO, E1, E2, G1, G2, HO, S1, S2** focuses on one species (cows, dogs, sheep, goats, horses, or pigs) in each section. Students groom and train the animals for Ag Field Day (April 27, 2024). ONLY offered in Spring.
- **Animal Handling Supervisors 176: CA, DO, GO, HO, SH, SW.** Students supervise undergraduates enrolled in Animal Handling, Fitting & Exhibition 175 and must attend Ag Field Day. ONLY offered in Spring. Click [here](#) to fill out an application.
- **Practicums: Cattle 201, Small Ruminant 202, Swine 203, Lab Animal 205, and Horse 207** focuses on the management, breeding, husbandry, nutrition, marketing, etc., of each species. Offered Fall, Spring, and Summer.

Offered in Spring 2024

- *New!* Poultry Production & Mgmt 341

NOT offered in Spring 2024

- Animal Genetics 328
 - Next offered in Fall 2024
 - Take 01:447:380 as alternative, if needed, in Spring 2024
- Comparative Mammalian Anatomy 391
 - Next offered in Fall 2024

Next offered

- Animal Assisted Therapy 395 – Fall 2024
- Topics in Equine Science 401 – Fall 2024
- Equine Exercise Physiology 402 – Fall 2025
- Animal Diseases 404 – Fall 2024
- Animals & the Law 460 – TBD
- Topics in Companion Animal Health 461 – Fall 2024
- Reproductive & Developmental Toxicology 491 – Fall 2025

Important News about Summer 2024!

- The 2-credit practicums (201, 202, 203, 205, 207) will NOT be offered.
- The 1-credit 150 Intro to Animal Handling will be offered.
- Other Summer 2024 course offerings will be released in February 2024.

Biochemistry and Organic Chemistry

- SAS Biochemistry vs SEBS Biochemistry
 - 01:694:407 (SAS) requires Org Chem I as the prerequisite (01:160:307 OR 01:160:308 OR 01:160:315 or 01:160:316).
 - 11:115:403 (SEBS) requires Org Chem I and II as the prerequisites (01:160:308 OR 01:160:316 OR 21:160:336).
 - Completion of Org Chem I and II is required for the Pre-Vet and Lab Animal Science tracks.
- Elementary Organic Lab (01:160:211)
 - Only offered in the Fall semester. Requires prerequisite Intro to Experimentation 01:160:171.
 - Completion of Elem Org is required for the Companion Animal Science track.
 - Elem Orgo Lecture (01:160:209) is not offered in Summer 2024.
- General Microbiology (3+1 lecture, 11:680:390) is preferred over the SAS Microbiology, fits better with AniSci schedule. Orgo 307 is the prereq.

Differences between Physics Courses

(All are accepted for vet school applications)

- **Physics for Sciences (01:750:193/194)**
 - Active learning. Better homework. Must register for 4-credit lecture and 0-credit lab together.
 - Always in Fall-Spring sequence, 193 offered in Fall 2024.
- **Extended General Physics (01:750:201-202)**
 - Best for students that haven't taken much physics previously
 - Must register for 5-credit lecture and 0-credit lab together.
 - In Spring-Fall sequence, 202 offered in Fall 2024.
- **General Physics (01:750:203-205, 204-206)**
 - Must register for 3-credit lecture and 1-credit lab together.
 - Both courses offered in ***all*** three semesters.

Interested in Studying Abroad?

- CELA-Belize is for 3 or 6 EL credits (Summer-Winter sessions). Grades will be Pass/NC and will no longer be on an A-F scale.
- Three Rutgers Global partners have been approved for semester-long Animal Science study abroad programs:
 - University College of Dublin, Ireland
 - Seoul National University, South Korea
 - University of Melbourne, Australia
- Questions? Contact [Dr. Zama](#).
- [Study Abroad website](#)

Transfer Courses from Community Colleges

- For students anticipating taking summer courses at community colleges, be sure to check with your advisor and complete the [Transfer Course Preapproval form](#).
- Check NJTransfer.org for course equivalency.
- Transfer Course Preapproval form must be completed PRIOR to registration.

Download the Grow Points (Suitable) App

Log in using **NetID@rutgers.edu**



- Scan the QR code with your phone's camera to download the app or search "Suitable" in your app store! For details: sebs.rutgers.edu/grow-program

WHY should I join the Grow Points app?

- Increase your awareness of the amazing opportunities that are available to you here in Animal Sciences and at SEBS/RU-NB!
- Engage in academic success, leadership, career development, and DEI activities that are critical for future employment.
- Showcase badge achievements and milestones via the co-curricular transcript – a big draw for future employers!

HOW can I share my co-curricular transcript?

- Go to the Grow Points app “Scoreboard” and share the link to your Handshake account or LinkedIn account.

Important Links

- **Animal Sciences Social Media:** [Facebook](#), [Twitter](#) and [Instagram](#): @RutgersAniSci
- [Linktree](#)
- [Schedule of Classes](#)
- [Course Schedule Planner](#): Watch the instructional video on [YouTube](#).
- [Undergraduate Program in Animal Science](#)
Links to Course Schedule Planner, Schedule of Classes, WebReg, Degree Navigator;
11:067 course descriptions & syllabi; course offerings charts (Fall, Spring, Summer); EBE
info; faculty email addresses
- [Universitywide COVID-19 Resources](#)
- [SEBS Academic Programs](#)
- [RU-NB Registrar](#)
- [Winter Session Office](#)
- [Counseling \(CAPS\)](#)
- [Rutgers Recreation](#)
- [grow@SEBS](#)
- [Study Abroad](#)